INDEX TO VOL. LXXXIX. (B)

Arterial pressure, methods of raising (Bayliss), 380.

Auximones, effects of, on growth of *Lemna minor* (Bottomley), 481 ; on soil organisms in nitrogen cycle (Mockeridge), 508.

Bacteria, morphological studies in life-histories of (Hort), 468.

Bastian (H. C.) Obituary notice of, xxi.

Bateson (W.) and Pellew (C.) Note on an Orderly Dissimilarity in Inheritance from Different Parts of a Plant, 174.

Bayliss (W. M.) Methods of Raising a Low Arterial Pressure, 380.

Blood fluids and intracellular digestion of bacteria, etc. (Douglas), 335.

Blood sera, ultra-violet absorption spectra of (Lewis), 327.

Bose (J. C.) and Das (S. C.) Physiological Investigations with Petiole-pulvinus Preparations of *Mimosa pudica*, 213.

Bottomley (W. B.) A Bacterial Test for Plant Food Accessories (Auximones), 102 ; —— Some Effects of Growth-promoting Substances (Auximones) on the Growth of *Lemna minor* in Mineral Culture Solutions, 481.

Brown (A. J.) and Tinker (F.) The Rate of Absorption of Various Phenolic Solutions by Seeds of *Hordeum vulgare*, and the Factors governing the Rate of Diffusion of Aqueous Solutions across Semipermeable Membranes, 119 ; —— —— Selective Permeability : The Absorption of Phenol and other Solutions by the Seeds of *Hordeum vulgare*, 373.

Brunton (Sir T. L.) Obituary notice of, xliv.

Carbon assimilation, theory of (Jörgensen and Kidd), 342.

Carbon dioxide, controlling influence of—Part III (Kidd), 136.

Cerebro-spinal meningitis, rôle of the phagocyte in (Shearer and Crowe), 422.

Characeæ, Purbeck fossil (Reid and Groves), 252.

Chloramine group, antiseptic action of substances of the (Dakin and others), 232.

Chlorophyll, function of (Ewart), 1 ; —— photochemical experiments with ; their bearing on theories of carbon assimilation (Jörgensen and Kidd), 342.

Cholate gel, further investigations of (Schryver), 176.

Chromosome cycle in coccidia, etc. (Dobell and Jameson), 83.

Clot formations, phenomena of—Part III (Schryver), 176.

Coat-colour in animals, chemistry of, and of dominant and recessive whiteness (Onslow), 36.

Coccidia and gregarines, chromosome cycle in (Dobell and Jameson), 83.

Cochlea, typical form of, and variations (Watt), 410.

Croonian Lecture (Fletcher and Hopkins), 444 ; (Lewis), 560.

Crowe (H. W.) See Shearer and Crowe.

Cunningham (D. D.) Obituary notice of, xv.

Dakin (H. D.) and others. The Antiseptic Action of Substances of the Chloramine Group, 232.

Das (S. C.) See Bose and Das.

Dendy (A.) On the Occurrence of Gelatinous Spicules, and their Mode of Origin, in a New Genus of Siliceous Sponges, 315 ; —— and Nicholson (J. W.) On the Influence of Vibrations upon the Form of Certain Sponge-spicules, 573.

Diffusion of solutions across semipermeable membranes (Brown and Tinker), 119.
Dobell (C.) and Jameson (A. P.) The Chromosome Cycle in Coccidia and Gregarines, 83.
Doncaster (L.) Gametogenesis and Sex-determination in the Gall-fly, *Neuroterus lenticularis* (*Spathegaster baccarum*).—Part III, 183.
Douglas (S. R.) An Experimental Investigation into the Rôle of the Blood Fluids in the Intracellular Digestion of Certain Bacteria and Red Blood Corpuscles, 335.

Ewart (A. J.) On the Function of Chlorophyll, 1.
Eye, transmission of infra-red rays by media of (Hartridge and Hill), 58.

Fletcher (W. M.) and Hopkins (F. G.) The Respiratory Process in Muscle and the Nature of Muscular Motion (Croonian Lecture), 444.
Fraser (E. A.) and Hill (J. P.) The Development of the Thymus, Epithelial Bodies, and Thyroid in the Marsupialia. Part I.—*Trichosurus vulpecula*, 97. Part II.—Phascolarctos, Phascolomys, and Perameles, 100.

Gall-fly, gametogenesis and sex-determination in (Doncaster), 183.
Gametogenesis and sex-determination in gall-fly (Doncaster), 183.
Generative organs of non-pregnant dog, post-œstrous changes in (Marshall and Halnan), 546.
Goitre, experimental production of congenital (McCarrison), 322.
Goodey (T.) Further Observations on Protozoa in Relation to Soil Bacteria, 297.
Goodrich (E. S.) On the Classification of the Reptilia, 261.
Gowers (Sir W.) Obituary notice of, i.
Groves (J.) See Reid and Groves.
Growth of body in man, relation between body-weight and body-length (Walker), 157.
Growth resembling living organisms, forms of and production of, from solutions of inorganic colloids (Moore), 17, 27.

Halnan (E. T.) See Marshall and Halnan.
Hammond (J.) On the Causes responsible for the Developmental Progress of the Mammary Glands in the Rabbit during the Latter Part of Pregnancy, 534.
Hartridge (H.) and Hill (A. V.) The Transmission of Infra-red Rays by the Media of the Eye and the Transmission of Radiant Energy by Crookes and other Glasses, 58.
Heart, motion of mammalian (Lewis), 560.
Herring scales, growth rings on (Paget and Savage), 258.
Hewlett (M.) See Schryver and Hewlett.
Hill (A. V.) See Hartridge and Hill.
Hill (J. P.) See Fraser and Hill.
Hordeum vulgare, absorption of solutions by seeds of (Brown and Tinker), 119, 373.
Hort (E. C.) Morphological Studies in the Life-histories of Bacteria, 468.

Infra-red rays, transmission by media of eye, and transmission of radiant energy by glasses (Hartridge and Hill), 58.
Inheritance from different parts of a plant, orderly dissimilarity in (Bateson and Pellew), 174.
Inheritance of colour in the stick-insect (MacBride and Jackson), 109.
Intracelluar digestion of bacteria, etc., rôle of blood fluids in (Douglas), 335.

Jackson (A.) See MacBride and Jackson.
Jameson (A. P.) See Dobell and Jameson.
Jenkinson (J. W.) Obituary notice of, xlii.
Jörgensen (I.) and Kidd (F.) Some Photochemical Experiments with Pure Chlorophyll, and their Bearing on Theories of Carbon Assimilation, 342.

Kennedy (R.) Experiments on the Restoration of Paralysed Muscles by means of Nerve Anastomosis. Part III.—Anastomosis of the Brachial Plexus, with a Consideration of the Distribution of its Roots, 94.
Kidd (F.) The Controlling Influence of Carbon Dioxide. Part III.—The Retarding Effect of Carbon Dioxide on Respiration, 136 ; —— See also Jörgensen and Kidd.
Kronecker (H.) Obituary notice of, xlix.

Lea (A. S.) Obituary notice of, xxv.
Lewis (S. J.) The Ultra-violet Absorption Spectra of Blood Sera, 327.
Lloyd (D. J.) The Relation of Excised Muscle to Acids, Salts, and Bases, 277.
Lydekker (R.) Obituary notice of, iii.

MacBride (E. W.) and Jackson (A.) The Inheritance of Colour in the Stick-insect, *Carausius morosus*, 109.
McCarrison (R.) On the Experimental Production of Congenital Goitre, 322.
Macdonald (J. S.) Man's Mechanical Efficiency in Work Performance and the Cost of the Movements Involved (Treated Separately), 394.
Mammary glands in rabbit, developmental progress of, during pregnancy (Hammond), 534 ; —— in non-pregnant dog (Marshall and Halnan), 546.
Man's mechanical efficiency and the cost of movements involved (Macdonald), 394.
Marshall (F. H. A.) and Halnan (E. T.) On the Post-œstrous Changes occurring in the Generative Organs and Mammary Glands of the Non-pregnant Dog, 546.
Mecznikow (E.) Obituary notice of, li.
Meningococcus, action of sodium chloride solutions on (Shearer), 440.
Mimosa, physiological investigations with petiole-pulvinus of (Bose and Das), 213.
Minchin (E. A.) Obituary notice of, xxxviii.
Mockeridge (F. A.) Some Effects of Organic Growth-promoting Substances (Auximones) on the Soil Organisms concerned in the Nitrogen Cycle, 508.
Moore (B.) On Forms of Growth resembling Living Organisms and their Products Slowly Deposited from Metastable Solutions of Inorganic Colloids, 17 ; —— The Production of Growths or Deposits in Metastable Inorganic Hydrosols, 27.
Murray (Sir J.) Obituary notice of, vi.
Muscle, relation of excised, to acids, salts, and bases (Lloyd), 277 ; —— respiratory process in, and nature of muscular motion (Fletcher and Hopkins), 444.

Nerve anastomosis, restoration of paralysed muscles by means of—Part III.—Brachial plexus (Kennedy), 94.
Nicholson (J. W.) See Dendy and Nicholson.
Nitrogen cycle, effects of auximones on soil organisms of (Mockeridge), 508.

Obituary Notices of Fellows, &c., deceased :—

Gowers, Sir W., i.	Turner, Sir W., xxxiv.
Lydekker, R., iii.	Minchin, E. A., xxxviii.
Murray, Sir J., vi.	Jenkinson, J. W., xlii.
Cunningham, D. D., xv.	Brunton, Sir T. L., xliv.
Bastian, H. C., xxi.	Kronecker, H., xlix.
Lea, A. S., xxv.	Mecznikow, E., li.
Weismann, A. F. L., xxvii.	Pearson, H. H. W., lx.

O'Connor (J. M.) On the Mechanism of Chemical Temperature Regulation, 201.
Onslow (H.) A Contribution to our Knowledge of the Chemistry of Coat-colour in Animals and of Dominant and Recessive Whiteness, 36.